

**Work Order ID 57129**

March 23, 2010 11:48:08 AM



Page 1

Item ID: D2989-043

Accept



Setup Start



Revision ID:

Stop



Item Name: Basket Lid Assembly

Start Date: 23/03/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 30/03/2010 Req'd Qty: 1.00

Customer:

Reference:

Approvals:

Process Plan: *H*Date: *10-3-23*

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start



Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run HoursDraw  
NumberDraw  
Rev.Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

Draw Nbr

Revision Nbr

D2989

Rev D

100

0.00



Large Fab

Large Fab

Memo

0.00

Large Fab

1- assemble all ribs in DT9446 jig, weld as per dwg D2989  
2- tack weld mesh on basket as per dwg D2989 using DT9446 jig  
3- to locate hinges and shims use D2989-041, weld as per dwg D2989  
A/R ER316 S.S. Rod Batch: *111679*

*lpc 10.04.09*

110

QC9- Inspect visual per QSI004- Fusion Welds

0.00



QC

Memo

0.00

Quality Control

*AA 10.04.09*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Work Order ID 57129

March 23, 2010 11:48:08 AM



Page 2

Item ID: D2989-043

Accept



Setup Start



Revision ID:

Stop



Item Name: Basket Lid Assembly

Start Date: 23/03/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 30/03/2010 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

120

QC6- Inspect dimensions to drawing

0.00

8/10/04/12

QC

Memo

0.00

Quality Control

40

130

White Gloss(Ref:4.3.5.2) per QSI005 4.3-Steel

0.00

11/11/3170

Powdercoat

Memo

0.00

=> 11/11 10/04/12

Powder Coating

1- Plug holes prior to powder coating

2-Powder Coat White (Ref. 4.3.5.2) D2989-041 as per QSI 005 4.3 & Dwg D2989

1ST COAT

START TIME:

9:15 AM

OVEN TEMPERATURE:

400°F

FINISH TIME:

9:45 AM

\*\*\*\*\* 2nd coat if necessary\*\*\*\*\*

2ND COAT:

START TIME:

10:00 AM

OVEN TEMPERATURE:

400°F

FINISH TIME:

10:30 AM

1 0

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Work Order ID 57129

March 23, 2010 11:48:08 AM



Page 3

Item ID: D2989-043

Accept

Revision ID:

Item Name: Basket Lid Assembly

Start Date: 23/03/2010 Start Qty: 1.00

Required Date: 30/03/2010 Req'd Qty: 1.00

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

Stop

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

140

QC3- Inspect Part Finish

0.00



QC

Memo

0.00

Quality Control

150

Identify as per dwg & Stock Location: *GA*

0.00



Packaging

Memo

0.00

Packaging

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

*BR 10-4-12*

*① d.*

*ES 10/04/12 ①*

*10/04/12*

*MF 10-4-12*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

March 23, 2010 11:48:12 AM

Page 1

Work Order ID: 57129

Parent Item: D2989-043

Parent Item Name: Basket Lid Assembly

Comments: IPP Rev:I Removed D2989-041 05-11-03 JLM  
 IPP Rev:J 08-08-29 revC as per dwg DD verified by:EC  
 IPP Rev:K 08-09-24 plug holes prior to powder coating DD verified by:EC  
 IPP Rev:L 08-12-02 revD as per dwg DD verified by:

Start Date: 23/03/2010

Required Date: 30/03/2010

Start Qty: 1.00

Required Qty: 1.00

D2221-1



Rib

Manufactured No 100 Each 9.0000 1.0000



SAD 10-04-06

Warehouse Loc Qty Loc Code  
Location

Main Warehouse

WA

9

48101

1

55977

8

D2989-3



Rib

Manufactured No 100 Each 3.0000 1.0000



SAD 10-04-06

Warehouse Loc Qty Loc Code  
Location

Main Warehouse

WA

3

53551

1

56195

2

D2989-4



Rib

Manufactured No 100 Each 3.0000 1.0000



SAD 10-04-06

Warehouse Loc Qty Loc Code  
Location

Main Warehouse

WA

3

54277

1

56196

2

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

March 23, 2010 11:48:12 AM

Page 2

Work Order ID: 57129

Parent Item: D2989-043

Parent Item Name: Basket Lid Assembly

Comments: IPP Rev:I Removed D2989-041 05-11-03 JLM  
 IPP Rev:J 08-08-29 revC as per dwg DD verified by:EC  
 IPP Rev:K 08-09-24 plug holes prior to powder coating DD verified by:EC  
 IPP Rev:L 08-12-02 revD as per dwg DD verified by:

Start Date: 23/03/2010

Required Date: 30/03/2010

Start Qty: 1.00

Required Qty: 1.00

D2989-5 Manufactured No 100 Each 4.0000 2.0000



Rib

Warehouse	Location	Loc Qty	Loc Code
Main Warehouse	WA	4	
	56197	4	

SAD 10-04-06

D3182-1 Manufactured No 100 Each 4.0000 2.0000



Hinge

Warehouse	Location	Loc Qty	Loc Code
Main Warehouse	WA	4	
	53445	4	

2  
SAD 10-04-06

D3442-3 Manufactured No 100 Each 27.0000 2.0000



Shim

Warehouse	Location	Loc Qty	Loc Code
Main Warehouse	WA	27	
	42718	1	
	53137	1	
	56204	25	

2  
SAD 10-04-06

March 23, 2010 11:48:12 AM

Shop Packet Print

Page 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

March 23, 2010 11:48:12 AM

Page 3

Work Order ID: 57129

Parent Item: D2989-043

Parent Item Name: Basket Lid Assembly

Comments: IPP Rev:I Removed D2989-041 05-11-03 JLM  
 IPP Rev:J 08-08-29 revC as per dwg DD verified by:EC  
 IPP Rev:K 08-09-24 plug holes prior to powder coating DD verified by:EC  
 IPP Rev:L 08-12-02 revD as per dwg DD verified by:

Start Date: 23/03/2010

Required Date: 30/03/2010

Start Qty: 1.00

Required Qty: 1.00

D3827-041 Manufactured No 100 Each 9.0000 1.0000



Rib Assembly (Inboard)

Warehouse Loc Qty Loc Code

Location

Main Warehouse

WA

9

54866

3

55982

6

D3832-5 Manufactured No 100 Each 1.0000 1.0000



Mesh (Lid)

Warehouse Loc Qty Loc Code

Location

Main Warehouse

WA

1

53220

1

D3833-5 Manufactured No 100 Each 19.0000 2.0000



Mesh (Lid End)

Warehouse Loc Qty Loc Code

Location

Main Warehouse

WA

19

51305

4

53722

15

SAD 10404-06

lpl 10.04.08

lpl 10.04.08

March 23, 2010 11:48:12 AM

Shop Packet Print

Page 3



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

March 23, 2010 11:48:12 AM

Page 4

Work Order ID: 57129

Parent Item: D2989-043

Parent Item Name: Basket Lid Assembly

Comments: IPP Rev:I Removed D2989-041 05-11-03 JLM  
 IPP Rev:J 08-08-29 revC as per dwg DD verified by:EC  
 IPP Rev:K 08-09-24 plug holes prior to powder coating DD verified by:EC  
 IPP Rev:L 08-12-02 revD as per dwg DD verified by:

Start Date: 23/03/2010

Required Date: 30/03/2010

Start Qty: 1.00

Required Qty: 1.00

D3838-041



Rib Assembly (Basket Lid, LH)

Manufactured No 100 Each 3.0000 1.0000



SAD 10-04-06

Warehouse Loc Qty Loc Code

Location

Main Warehouse

WA

3

54274

1

56193

2

1

D3838-042



Rib Assembly (Basket Lid, RH)

Manufactured No 100 Each 3.0000 1.0000



SAD 10-04-06

Warehouse Loc Qty Loc Code

Location

Main Warehouse

WA

3

54275

1

56194

2

1

March 23, 2010 11:48:12 AM

Shop Packet Print

Page 4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



**D2989-043 BASKET LID ASSEMBLY**  
(MESH SHOWN LOCALLY FOR CLARITY)

**D2989-041 BASKET LID ASSEMBLY**  
(MESH SHOWN LOCALLY FOR CLARITY)

ITEM	QTY -041	QTY -043	P/N	DESCRIPTION
1	X		D2989-041	BASKET LID ASSEMBLY
2		X	D2989-043	BASKET LID ASSEMBLY
3	1		D2506	LABEL PLATE
4	1		D2512-7	RIB
5	2		D2581	MOUNTING BRACKET
6		1	D2989-3	RIB
7		1	D2989-4	RIB
8		2	D2989-5	RIB
9	2		D2989-13	RIB
10	2	1	D2989-17	RIB
11	2		D2989-19	RIB
12		2	D3182-1	HINGE
13		2	D3442-3	SHIM
14		1	D3827-041	RIB ASSY (INBOARD)
15	1		D3832-3	MESH, BASKET LID
16		1	D3832-5	MESH, BASKET LID
17	2		D3833-3	MESH, LID END
18		2	D3833-5	MESH, LID END
19	1		D3836-041	RIB ASSY (BASKET LID, LH)
20	1		D3836-042	RIB ASSY (BASKET LID, RH)
21		1	D3838-041	RIB ASSY (BASKET LID, LH)
22		1	D3838-042	RIB ASSY (BASKET LID, RH)
23	1		D3852-041	RIB ASSEMBLY
24	1		D3852-042	RIB ASSEMBLY

**RELEASED**  
08/11/18

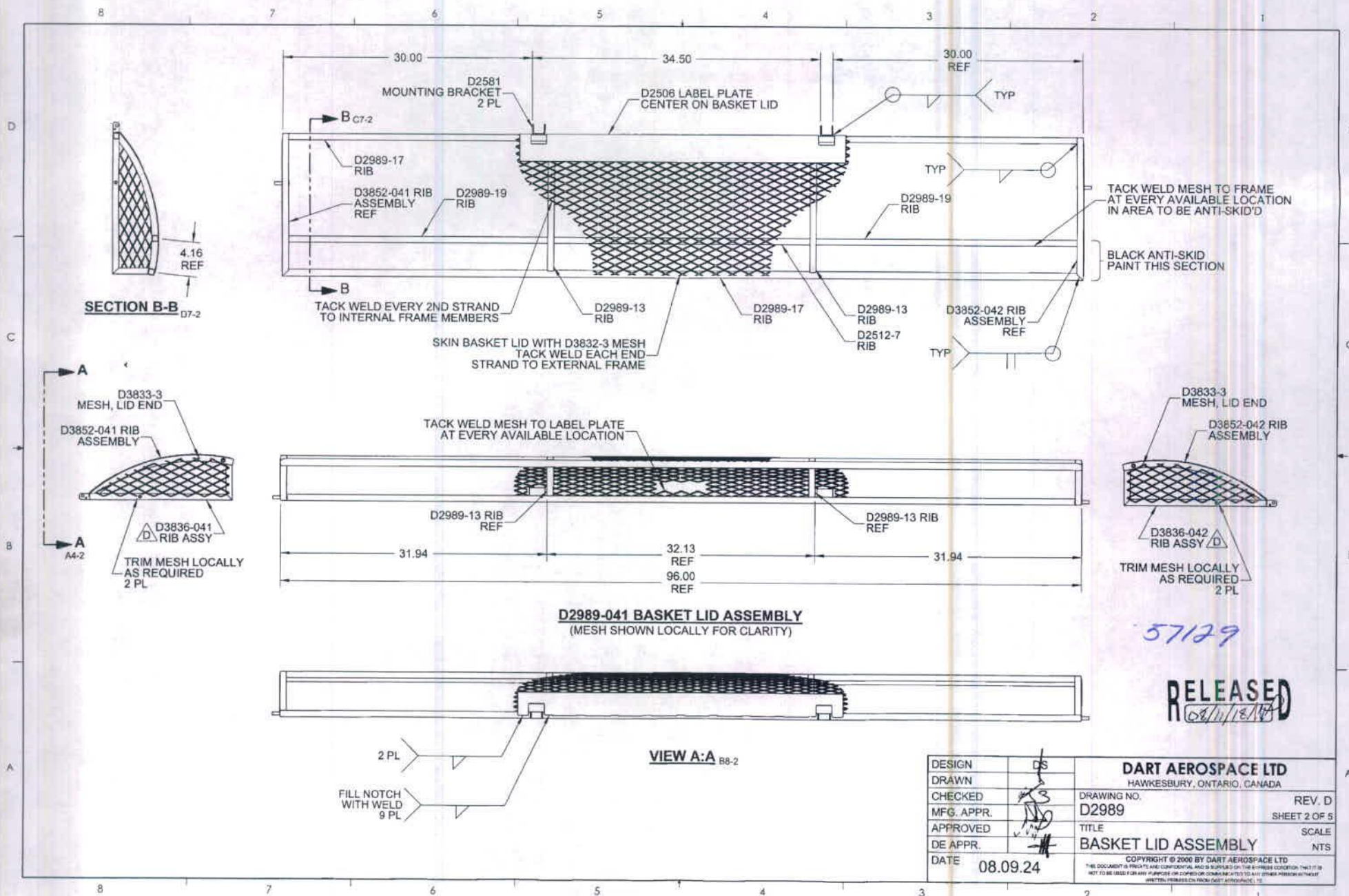
SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 57129  
08/10-3-23

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3  
BLACK ANTI-SKID PAINT AS INDICATED PER DART QSI 005 4.4  
SPRAY PAINT INSIDE SURFACE BLACK PRIOR TO APPLYING ANTI-SKID
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: N/A
  - 7) WEIGHT: D2989-041 = 26.50 lbs; D2989-043 = 15.50 lbs
  - 8) WELD PER DART QSI 004

D	REVISED -041/-043 PARTS LISTS AND ADDED "ITEM" COLUMN TO PARTS LIST (IN D3-1); D3836-041 REPLACES D2989-9/-15; D3836-042 REPLACES D2989-10/-15; D3838-041 REPLACES D2989-1/-7; D3838-042 REPLACES D2989-2/-7; D3852-041 REPLACES D2989-11; D3852-042 REPLACES D2989-2; REMOVED D2327-3 (NOW INSTALLED ON D3836 DWG); D2989-9/-10 (NOW ON D3836 DWG); D2989-11/-12 (NOW ON D3836 DWG); D2989-11/-12 (NOW ON D3852 DWG). REASON: TO SATISFY "LEAN MANUFACTURING" PROGRAM	MB	08.09.24
C	FRAME MATERIAL WAS 0.080 WALL; MESH MATERIAL UPDATED; DRAWING TRANSFERRED TO "B" FORMAT AND CURRENT DRAFTING STANDARD	AJS	08.06.20
B	ADD SHIM UNDER HINGES, UPDATE LID DIMENSIONS	PH	05.06.07
A	NEW ISSUE	DS	00.10.27
REV.	DESCRIPTION	BY	DATE
DESIGN	CS		
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	08.09.24		
<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA DRAWING NO. <b>D2989</b> <b>BASKET LID ASSEMBLY</b> REV. D SHEET 1 OF 5 SCALE NTS COPYRIGHT © 2000 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL. IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

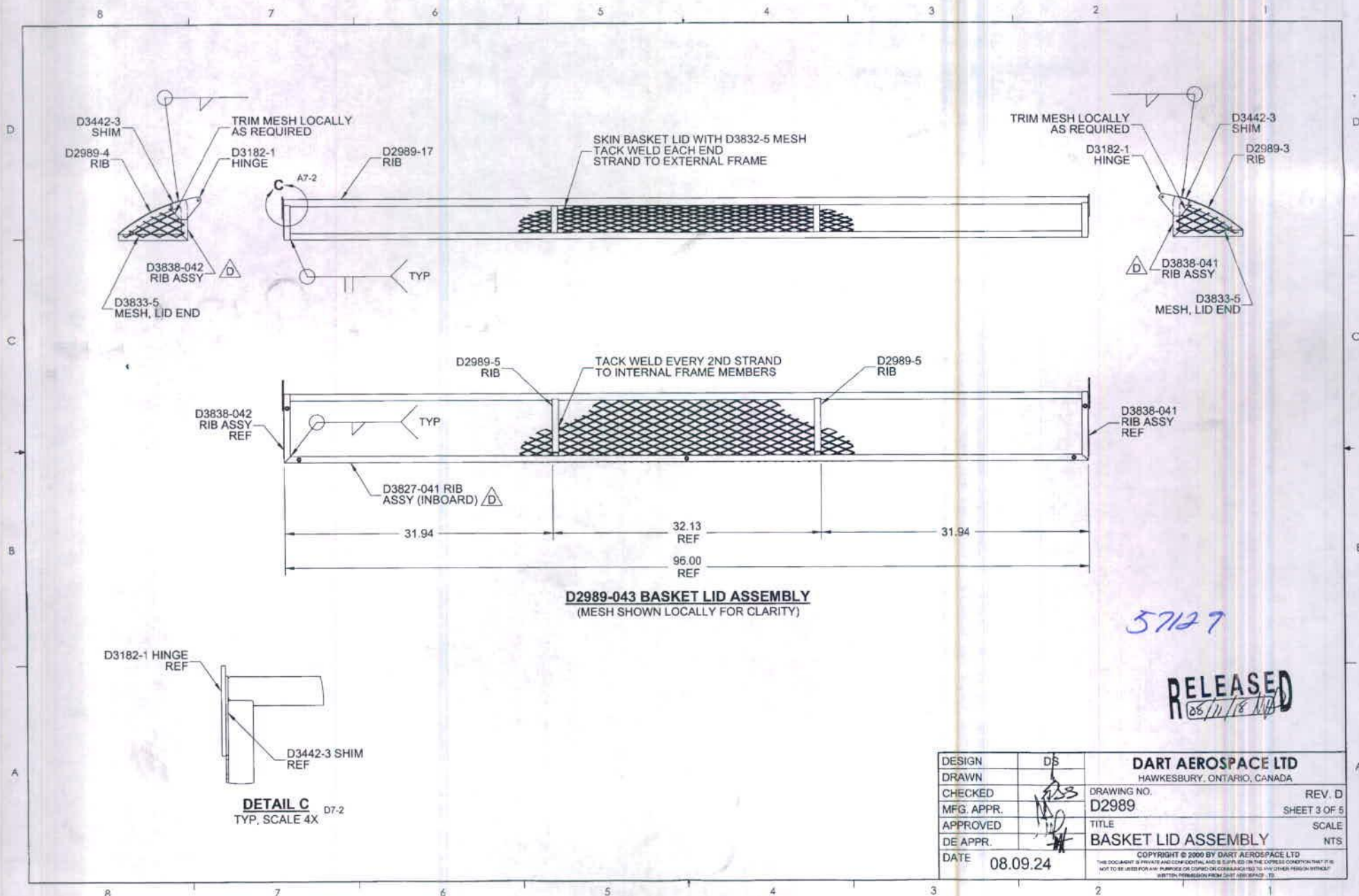




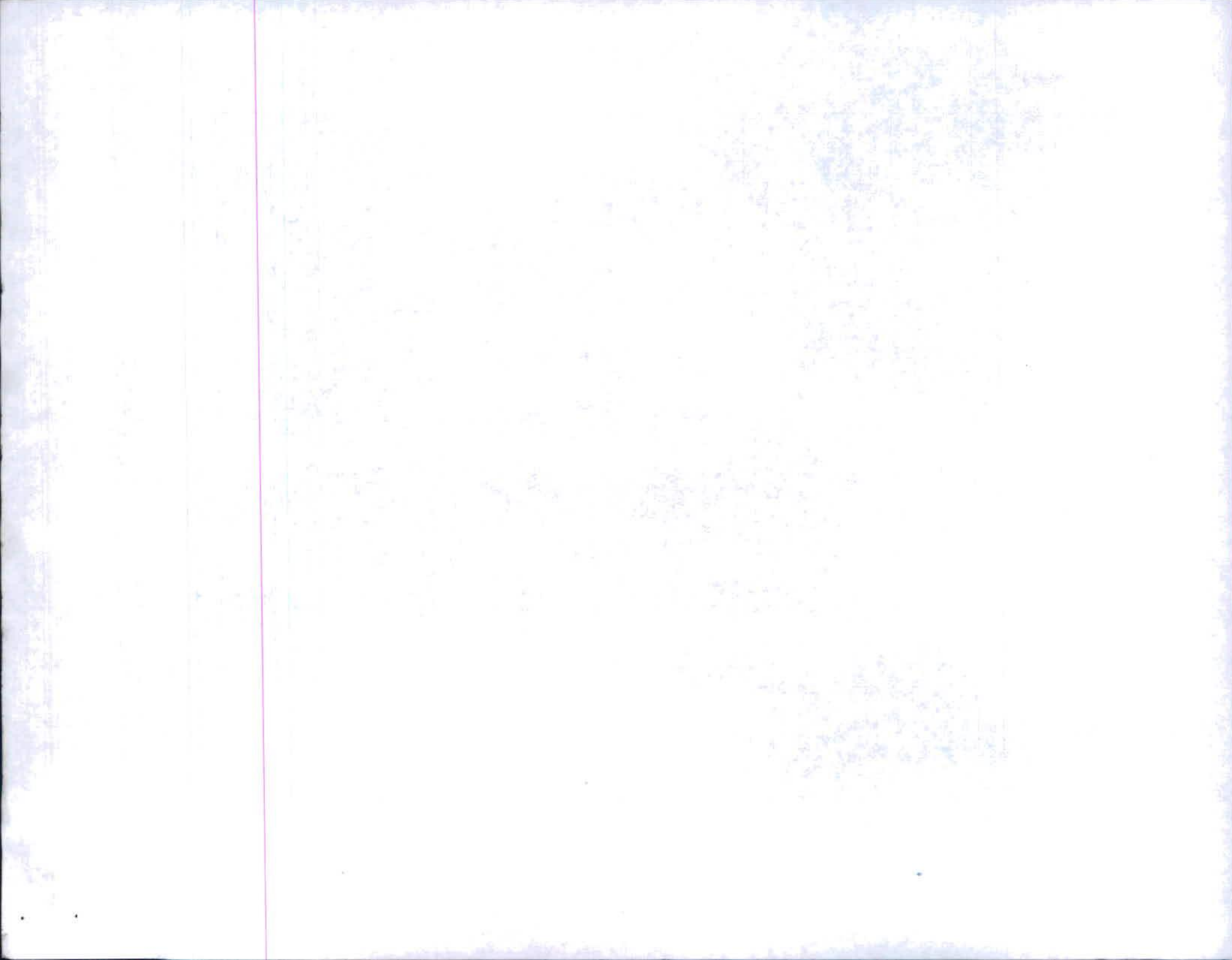




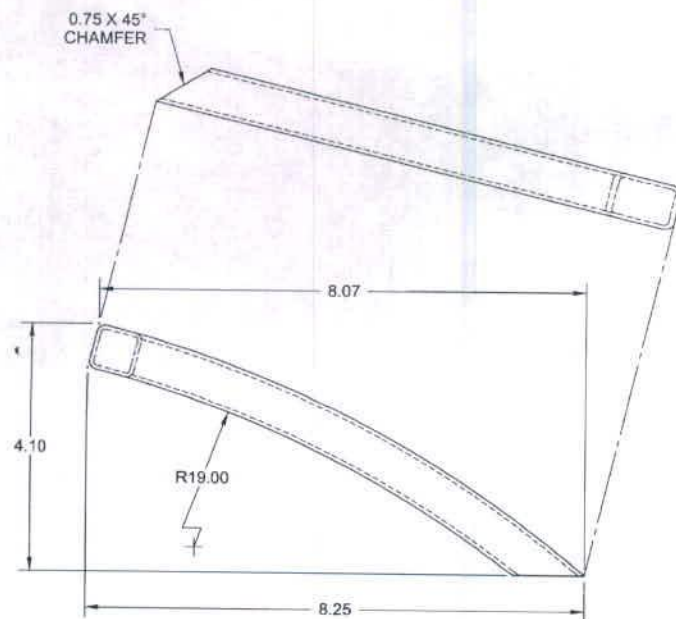




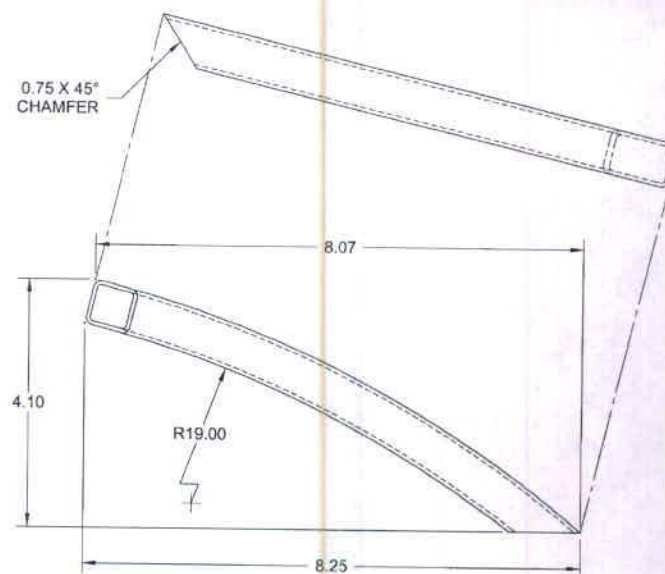
DESIGN	DS	<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED	DS	DRAWING NO.	REV. D
MFG. APPR.		D2989	SHEET 3 OF 5
APPROVED		TITLE	SCALE
DE APPR.		BASKET LID ASSEMBLY	NTS
DATE	08.09.24	<small>COPYRIGHT © 2000 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED TO ANY OTHER PERSON OR ENTITY WITHOUT PERMISSION FROM DART AEROSPACE LTD.</small>	



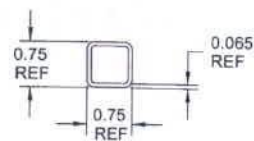




**D2989-3 RIB**



**D2989-4 RIB**



**TYPICAL SECTION  
VIEW**

- NOTES:**
- 1) MATERIAL: D3166-3 BASKET HOOP
  - 2) FINISH: NONE
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: N/A
  - 8) WEIGHT: D2989-3/-4 = 0.39 lbs;

DESIGN	DS	<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. D
MFG. APPR.		D2989	SHEET 4 OF 5
APPROVED		TITLE	SCALE
DE APPR.		BASKET LID ASSEMBLY	NTS
DATE	08.09.24	COPYRIGHT © 2000 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR FOR ANY OTHER PERSON WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.			

**RELEASED**  
08/11/18

5729



